



Chesterfield County, Virginia Department of Building Inspection

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BUILDING ADVISORY

These are some of the significant changes to remember when transitioning to the 2006 International Building Code as referenced by the 2006 Virginia Construction Code. These changes are effective for all permits applied for under the 2006 edition of the code.

1. Section 702.1 has changed the definition of "Fire Barrier". The definition of Fire Barrier is limited to walls and no longer includes a horizontal assembly. A new definition for Horizontal Assembly has been added.
2. Sections 712.5 and 713.6 are new sections requiring penetrations and joint systems in smoke barriers to be tested for air leakage per UL 1479 and UL 2079.
3. Section 715.4.6.3.1 indicates for fire protection rated glazing the label shall bear the four part identification; "D" = rated as a fire door, "H" = meets hose stream test, "NH" = does not meet hose stream requirements, "T" = meets temperature requirements, "NT" = does not meet temperature requirements, "XXX" = fire-protection rating in minutes.
4. Section 715.4.7.3 has added to the list of doors required to be closed by detection of smoke in: shaft enclosures, refuse & laundry chutes (including access & termination rooms), walls for compartmentation of underground buildings, elevator lobbies of underground buildings, smoke partitions.
5. Section 715.5.8.1 requires the label for fire-rated glazing used in fire windows to have a two-part identifier, specifying the properties of the glazing. "OH" = meets both fire-resistance and hose stream test requirements, "XXX" = fire-protection rating in minutes.
6. Section 2406.1 indicates Wired glass is no longer acceptable in areas requiring safety glazing.
7. Section 1003.2 has increased the minimum ceiling height to 7'-6".
8. Section 1004.3 indicates rooms and spaces of "assembly" occupancies with an occupant load of 50 or more, must have the occupant load posted.
9. Section 1008.1.9 indicates panic hardware is required for 50 or more occupants in Use Groups A and E. Panic hardware is also required on doors serving electrical rooms with equipment rated 1,200 amperes or more and over 6' wide.
10. Section 1105.1 in an effort to coordinate with the ADA Guidelines, the number of accessible entrances has been increased from 50% to 60% for public entrances.
11. Section 1109.5 This section does require an accessible drinking fountain for those who use a wheelchair and for standing persons. The exception indicates: A single drinking fountain that complies with the requirements for people who use a wheelchair and standing persons shall be permitted.
12. Section 1704.1 Establishes the function of the special inspections process and indicates the use of the Registered Design Professional (RDP) to supervise these inspections. This changed the forms we use for recording the special inspections process.

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- 13. Section 1704.11 is a new section that has been added to the special inspection for mastic and intumescent fire resistant coatings materials when protecting structural elements and decks. (According to AWCI 12-B)**
- 14. Section 2509.2 indicates water-resistant gypsum backer board or green board is no longer approved for use in tub and shower spaces. Tub and shower spaces now require cement, fiber-cement, or glass mat gypsum backer.**
- 15. Section 3006.7 has been added which provides new provisions to address use and acceptance of machine-room-less elevators.**
- 16. Chapter 34, Existing building, section 3411.15 indicates the requirement for posting the occupancy of assembly rooms or spaces to only those with an occupancy load of 50 or more.**